

b.) Amendments to the Claims:

The following is a list of all claims that are pending in the application as of this Preliminary Amendment. As of the last office action, claims 20, 22-24, 26-28, and 35 were pending, and claims 29-34 and 36-37 were earlier withdrawn from consideration. As of this Preliminary Amendment, claims 23, 26-37 are canceled and claims 20 and 24 are presently amended. Status identifiers precede each claim.

1 - 19. (Canceled).

20. (Currently Amended) A [[P]]process for oxidising a substrate which is 1, 2-dichlorobenzene, 1, 2, 4-trichlorobenzene, 3, 3'-dichlorobiphenyl, 2, 2', 4, 5, 5'-pentachlorobiphenyl, pentachlorobenzene or hexachlorobenzene, said process comprising the step of oxidising said substrate with a mutant P450 monooxygenase enzyme in the presence of an electron transfer reductase and an electron transfer redoxin, chlorinated aromatic substrate that has more than one chlorine atom, which process comprises oxidising said substrate with a mutant P450 monooxygenase enzyme in the presence of an electron transfer redoxin, wherein the enzyme is[:]] a P450cam enzyme as shown by SEQ ID NO:2, comprising a mutation at one or more of the amino acid positions selected from the group consisting of 87, 96, 98, 101, 185, 244, 247, 248, 295, 296, 395 and 396, and wherein the mutation is a substitution of an amino acid with an amino acid that has a less polar side chain, and further wherein a ring carbon of the substrate is oxidised in the oxidation reaction.

(a) — a P450_{cam} enzyme comprising a mutation at one or more of the following amino acid positions: 87, 96, 98, 101, 185, 244, 247, 248, 296, 395 or 396, or

(b) ~~a P450 monooxygenase comprising one or more mutations at amino-acid positions which are equivalent to amino acid positions 87, 96, 98, 101, 185, 244, 247, 248, 296, 395 or 396 of P450_{cam} enzyme,~~
~~wherein said mutation(s) in (a) or (b) are a substitution of an amino acid with an amino acid that has a less polar side chain, and~~

~~wherein a ring carbon of the substrate is oxidized in the oxidation reaction.~~

21. (Canceled).

22. (Currently Amended) ~~The [[P]]process according to of claim 20 in which the enzyme comprises more than one a mutation at more than one of said amino acid positions amino acid substitution as defined in claim 20.~~

23. (Canceled).

24. (Currently Amended) ~~The [[P]]process according to of claim 20 in which the enzyme comprises a mutation at amino acid 96 of P450_{cam}[[,]] or the equivalent amino acid position.~~

25 - 37. (Canceled).